

COMMITTEE OF THE WHOLE (2) – MAY 9, 2023

STAFF COMMUNICATIONS

Distributed May 5, 2023

Subject

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| SC1. Memorandum from the Deputy City Manager, Infrastructure Development | Status Update on the City’s Policy, Procedure, and Design Criteria Standards for Non-Conventional Stormwater Management Facilities |
| SC2. Memorandum from the Deputy City Manager, Infrastructure Development and Deputy City Manager, Public Works | City-wide LED Streetlight Retrofit Program Update |
| SC3. Memorandum from the Deputy City Manager, Infrastructure Development | Rutherford-Maple Mobility On-Request Service Transition from Pilot to Permanent Service |

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Please note there may be further Communications.



**STAFF COMMUNICATION
FOR INFORMATION ONLY**

**Staff Communication: SC1
Committee of the Whole (2)
May 9, 2023**

DATE: May 9, 2023

TO: Mayor and Members of Council

FROM: Vince Musacchio, Deputy City Manager, Infrastructure Development

RE: **STAFF COMMUNICATION – May 9, 2023, Committee of the Whole (2)
Status Update on the City’s Policy, Procedure, and Design Criteria
Standards for Non-Conventional Stormwater Management Facilities**

1. Purpose

The purpose of this Staff Communication is to provide Mayor and members of Council with an update on the status of the Policy, Procedure, and Design Criteria Standards for Non-Conventional Storm Water Management Facility’s (SWMFs).

2. Analysis

At the June 8, 2022, Committee of the Whole Working Session meeting, staff presented a report outlining the City’s current interim approach for approving and accepting Non-Conventional SWMFs proposed for new developments. The report included a recommendation that staff retain a consultant to develop a formal policy in 2023. Council directed staff to have the policy and procedure completed within 12 months of the Working Session meeting.

In December 2022, the City retained Resilient Consulting (the “Consultant”) to develop a formal Policy, Procedure, and Design Criteria Standards for accepting Non-Conventional SWMFs with the anticipation that the final documents could be completed and staff would be able to bring forth a report to the May 31, 2023 Committee of the Whole Working Session.

Although the Consultant has maintained adherence to the project schedule up to this point, the Consultant has recommended that the project be extended to ensure that external stakeholders, particularly those from the development community, are afforded the appropriate time and opportunity to provide valuable feedback so that the Policy, Procedure, and Design Criteria Standards are fair and transparent while also protecting the City’s interests.

As such, City staff anticipate that the final Policy, Procedure, and Design Criteria Standards for Non-Conventional SWMFs will be completed in Q3/Q4 2023 and presented at the first available Committee of the Whole Working Session meeting.

For more information, please contact: Frank Suppa, Director of Development Engineering, ext. 8255.

Approved by

A handwritten signature in black ink, appearing to read "V. Musacchio". The signature is fluid and cursive, with a prominent initial "V" and a long, sweeping underline.

Vince Musacchio
Deputy City Manager, Infrastructure
Development



**STAFF COMMUNICATION
FOR INFORMATION ONLY**

**Staff Communication: SC2
Committee of the Whole (2)
May 9, 2023**

DATE: May 9, 2023

TO: Mayor and Members of Council

FROM: Vince Musacchio, DCM, Infrastructure Development
Zoran Postic, DCM, Public Works

**RE: STAFF COMMUNICATION – May 9, 2023
City-wide LED Streetlight Retrofit Program Update**

1. Purpose

The purpose of this Staff Communication is to provide the Mayor and Council information regarding the City-wide LED Streetlight Retrofit Program (Program).

2. Analysis

Operating the City's streetlight network represents approximately 40 percent of the City's annual energy consumption. In keeping with the Strategic Plan (2022-2026) for Environmental Sustainability, Service Excellence and Accountability, the City has converted approximately 24,000 municipally owned streetlights (both on City streets and Regional roads) from high pressure sodium light bulbs to energy efficient light-emitting diode (LED) technology.

The Program has also allowed for the installation of a networked lighting control system for remote monitoring and operation of all LEDs through a web-enabled central management system. This provides accurate energy metering per streetlight, integrated Global Positioning System (GPS) trackability for real-time performance reporting and the ability to remotely turn on, dim or turn off individual streetlights. The new system allows the City to take complete control of the streetlight system by delivering energy efficiency, flexibility, and low-maintenance functionality.

The following City lighting has not been converted:

- Streetlights attached to traffic signal poles
- Sports field and pathway lighting (both inside and outside of parks)
- City-owned facility parking lot areas
- Un-assumed subdivisions constructed prior to implementation of LED standards
- Vaughan Metropolitan Center (VMC) streetlights

These remaining conversions will be bundled with state-of-good-repair capital budget projects where appropriate to optimize overall costs and efficiencies.

Billing reconciliation with Alectra has now been completed to compensate for all new LED bulbs installed during 2021 and part of 2022.

As LED technology generally consumes less energy and requires lower maintenance costs, going forward it is estimated the City's annual savings will be **\$100,000** on maintenance and **\$1.2M** in energy costs.

The City also received a **\$2.05M** incentive from the Independent Electricity System Operator (IESO) for the energy savings achieved through the LED streetlighting program. This amount was used to complete the LED conversions to date.

Brian Bentz, President and CEO of Alectra Inc. has released the following quote:

“Congratulations to the City of Vaughan for successfully completing a 24,000 LED streetlight conversion project. In addition to the incentive of \$2,050,000 from IESO, the City of Vaughan will reduce energy consumption by nearly 16,000 MWh – that’s equal to saving enough electricity to power nearly 1,800 homes annually. We applaud the City for completing this project that will improve operational efficiency, provide long-term savings and above all contribute to the sustainability of our community and environment.”

For more information, contact:

Selma Hubjer
Director, Infrastructure Planning and Corporate Asset Management, Ext. 8674

Peter Pilateris
Director, Transportation and Fleet Management Services, Ext. 6141

Approved by



Vince Musacchio
DCM, Infrastructure Development



Zoran Postic
DCM, Public Works

DATE: May 9, 2023

TO: Mayor and Members of Council

FROM: Vince Musacchio, Deputy City Manager, Infrastructure Development

RE: **STAFF COMMUNICATION – May 9, 2023
Rutherford-Maple Mobility On-Request Service Transition from Pilot
to Permanent Service**

1. Purpose

This communication is to inform Mayor and Members of Council that the Mobility On-Request pilot service at Rutherford and Maple GO station, implemented in partnership with York Region Transit (YRT) and Metrolinx, ended on May 2, 2023. Furthermore, staff are pleased to announce that YRT has decided to continue the Mobility On-Request service after May 2 as a new permanent service.

As a permanent service, the Rutherford and Maple GO Mobility On-Request service joins York Region Transit's Mobility On-Request suite of services offering a convenient, comfortable and low-stress way of travel to major destinations in the region, including GO stations.

2. Analysis

The background and next steps to the Rutherford and Maple GO Mobility On-Request Service is provided below.

Background

The Mobility On-Request pilot was launched to provide opportunity for citizens to test new ways to get to the GO train without having to drive and look for a parking spot.

The Mobility On-Request pilot helped the City, YRT and Metrolinx to:

- understand how Vaughan residents travel.
- determine how the City can encourage alternative commuting options outside of the traditional single-occupant vehicle.
- provide an economical means to create new transportation options for commuters who use Rutherford and Maple GO stations and only need to travel a short distance to reach the station.
- test the potential demand for providing the Mobility On-Request service on a permanent basis.

- encourage commuters to begin using public transit once again as pandemic restrictions lift and people begin to return to the office on a more permanent basis.
- understand the potential economic and environmental benefits of adding new options for reaching the GO station, such as reduced congestion, decreased travel time and reducing greenhouse gas emissions.

In October 2019, the City was successful in obtaining funding for this pilot program through a grant from the Green Municipal Fund, a program delivered by the Federation of Canadian Municipalities and funded by the Government of Canada, which contributes to 50% of the total pilot cost.

The start of this one-year long pilot project was delayed due to the COVID-19 pandemic, which eventually began on May 2, 2022. This delayed start time coincided with increasing public transit usage after the COVID-19 pandemic, providing valuable insight into changes in commuting patterns and behaviour.

Next Steps

Following the completion of the pilot on May 2, 2023, the mobility on-request service will transition to York Region Transit. During this transition, there will be no changes for existing users of the service. For future users, the service will be available to anyone wishing to travel to or from Rutherford or Maple GO station within the service area. More information on the service, including how to book a trip, will continue to be available on York Region Transit's [Mobility On-Request website](#).

Staff will be working on documenting findings from the study and will share these findings through a report to Council in Q3/Q4 of 2023.

For more information, contact:

Selma Hubjer, Director, Infrastructure Planning and Corporate Asset Management, ext. 8674

Approved by



Vince Musacchio
Deputy City Manager,
Infrastructure Development